



FTR18-4080F

Ferrite magnet aluminium chassis driver

General Specifications

Nominal diameter	457mm/18in
Power rating ¹	600Wrms
Nominal impedance	8Ω
Sensitivity ²	97dB
Frequency range	30-3000Hz
Voice coil diameter	100mm/4in
Chassis type	Cast Aluminium
Magnet type	Ferrite
Magnet weight	3.1kg/110oz
Coil material	Round copper
Former material	Glass fibre
Cone material	Glass loaded paper with weather resistant impregnation
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	6mm/0.24in
Gap depth	10mm/0.39in
Voice coil winding width	22mm/0.87in

Small Signal Parameters

D	0.38m/14.96in
Fs	32.7Hz
Mms	158.22g/5.58oz
Mmd	136.61g/4.82oz
Qms	5.24
Qes	0.32
Qts	0.30
Re	5.31Ω
Vas	271.99lt/9.6ft ³
Bl	23.31Tm
Cms	0.15mm/N
Rms	6.21kg/s
Le (at 1kHz)	1.46mH

Mounting Information

Overall diameter	462mm/18.19in
Overall depth	205mm/8.07in
Cut-out diameter	416mm/16.38in
Mounting slot dimensions	10mm x 7mm/0.39in x 0.27in
Number of mounting slots	8
Mounting PCD range	429-440mm/16.89-17.32in
Unit weight	9.7kg/21.4lb

Packed Dimensions & Weight

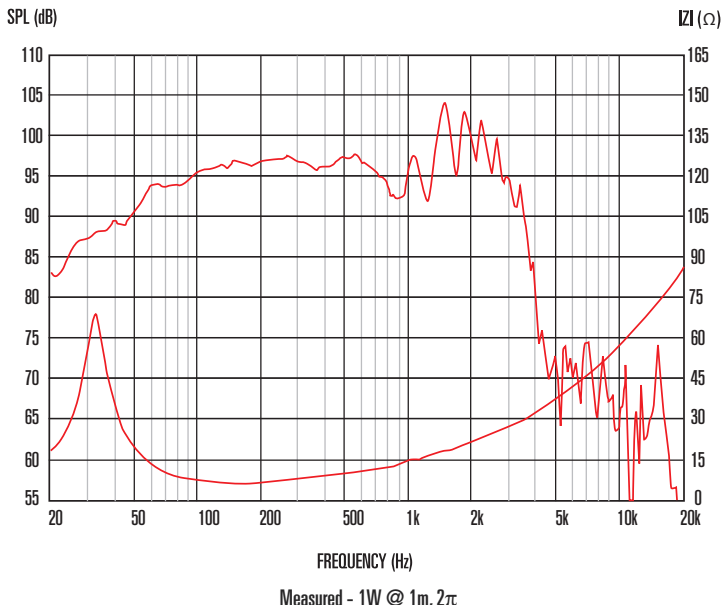
Single pack size W x D x H	500mm x 500mm x 240mm
	/19.7in x 19.7in x 9.4in
Single pack weight	11.5kg/25.4lb
Multi pack (24) size W x D x H	1500mm x 1000mm x 980mm
	/59.1in x 39.4in x 38.6in
Multi pack (24) weight	276kg/608lb



Features

- 18" ferrite woofer provides 600Wrms power handling (AES Standard) and 97dB sensitivity
- 4" high temperature Inside/Outside voice coil efficiently dissipates heat, preventing sensitivity loss through thermal compression
- Flexirol™ surround for greater excursion control
- Low frequency response, down to 30Hz
- Smart chassis design minimises acoustic distortion
- Specially treated weather-resistant cone

Frequency Response and Impedance Curves



1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.
 2. Measured on axis at 1W, 1m in 2π anechoic environment.
 3. Xmax derived from: (voice coil winding width-gap depth)/2.